

WHAT IS CLAIMED IS:

1. A method of manufacturing an airtight container, comprising the steps of:

5 setting a member for defining an airtight space
together with a substrate to abut on the substrate ;
supplying a seal bonding material to a corner
portion formed by the substrate and the member or a
portion to be the corner portion formed in the
setting step; and

10 after the step of setting the member to abut on
the substrate, forming a closed bonding line by
performing airtight bonding of each of the substrate
and the member with the seal bonding material by
locally heating the seal bonding material to a
15 temperature equal to or higher than a temperature
that allows the airtight bonding and then curing the
seal bonding material.

2. A method of manufacturing an airtight
20 container according to Claim 1, wherein the step of
forming the closed bonding line comprises performing
the airtight bonding of each of the substrate and the
member with the seal bonding material for each small
region at a time.

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3. A method of manufacturing an airtight container according to Claim 1, wherein the substrate

is one substrate of a pair of mutually opposing substrates, and the member is a frame fixed to the other substrate.

5 4. A method of manufacturing an airtight container according to Claim 1, wherein the step of forming the closed bonding line is performed under a vacuum atmosphere.

10 5. A method of manufacturing an airtight container according to Claim 1, wherein photoirradiation is used in performing the local heating.

15 6. A method of manufacturing an airtight container according to Claim 1, wherein the seal bonding material is a low-melting point substance.

20 7. A method of manufacturing an airtight container according to Claim 1, wherein the corner portion comprises a groove portion formed therein in the state where the setting step is performed.

25 8. A method of manufacturing an airtight container according to Claim 1, further comprising forming a base film in a location where the seal bonding material is to be arranged, the base film

being formed of a material having a good wettability with the seal bonding material.

9. A method of manufacturing an airtight
5 container according to Claim 8, further comprising heat-melting the seal bonding material indirectly by heating the base film.

10. A method of manufacturing an airtight
10 container according to Claim 1, wherein the seal bonding material which is supplied in the supplying step, in the corner portion or the portion to be the corner portion, is molded into a solid state.

15 11. A method of manufacturing an airtight container according to Claim 1, wherein when the seal bonding member, which is obtained as the seal bonding material solidifies at a predetermined position of the bonding line, is seen in cross section taken
20 along a direction perpendicular to a longitudinal direction of the bonding line, in the corner portion formed by the substrate and the above-mentioned member, a penetration length of the seal bonding member penetrating between mutually opposed surfaces
25 of the substrate and the above-mentioned member is shorter than a contact length over which the seal bonding member contacts the member.

12. A method of manufacturing an airtight container, comprising the steps of:

setting a member for defining an airtight space together with a substrate to abut on the substrate;

5 and

after the step of setting the member to abut on the member, forming a closed bonding line by performing airtight bonding of each of the substrate and the member with a seal bonding material by
10 supplying, to a corner portion formed by the substrate and the member, the seal bonding material that is heated to a temperature equal to or higher than a temperature that allows the airtight bonding and then curing the seal bonding material.

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13. A method of manufacturing an airtight container according to Claim 12, wherein the step of forming the closed bonding line comprises performing the airtight bonding of each of the substrate and the
20 member with the seal bonding material for each small region at a time.

14. A method of manufacturing an airtight container according to Claim 12, wherein the
25 substrate is one substrate of a pair of mutually opposing substrates, and the member is a frame fixed to the other substrate.

15. A method of manufacturing an airtight container according to Claim 12, wherein the step of forming the closed bonding line is performed under a vacuum atmosphere.

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16. A method of manufacturing an airtight container according to Claim 12, wherein the corner portion comprises a groove portion formed therein in the state where the setting step is performed.

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17. A method of manufacturing an airtight container according to Claim 12, further comprising forming a base film in a location where the seal bonding material is to be arranged, the base film being formed of a material having a good wettability with the seal bonding material.

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18. A method of manufacturing an airtight container according to Claim 12, wherein when the seal bonding member, which is obtained as the seal bonding material solidifies at a predetermined position of the bonding line, is seen in cross section taken along a direction perpendicular to a longitudinal direction of the bonding line, in the corner portion defined by the substrate and the above-mentioned member, a penetration length of the seal bonding member penetrating between mutually

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opposed surfaces of the substrate and the above-mentioned member is shorter than a contact length over which the seal bonding member contacts the member set to abut on the substrate.

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19. A method of manufacturing an image display apparatus, comprising forming an airtight container for containing display devices by using the method of manufacturing an airtight container as set forth in

10 Claim 1.

20. A method of manufacturing an image display apparatus, comprising forming an airtight container for containing display devices by using the method of
15 manufacturing an airtight container as set forth in Claim 12.